# **Flood Awareness**

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JUNE IS FLOOD AWARENESS MONTH

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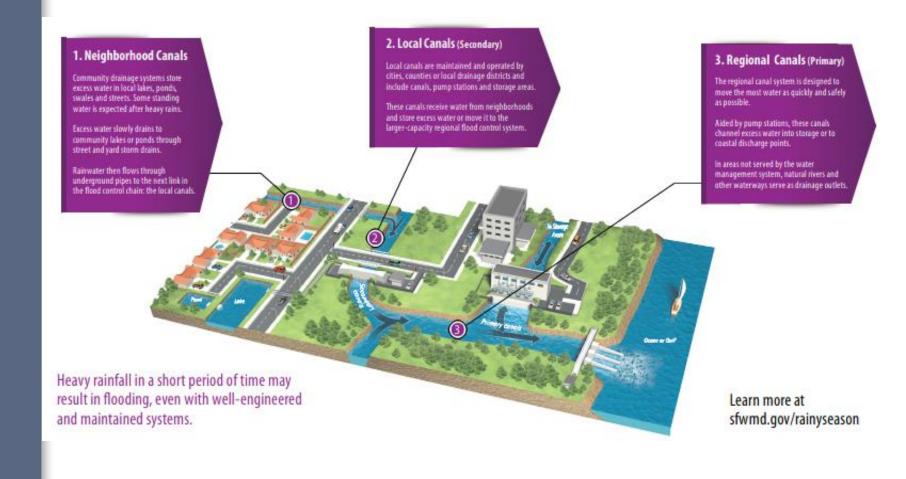
## How big is the system?

- 13 Billion Dollars of Infrastructure
- 70 Pump Stations
- 607 Water Control Structures
- 2100 Miles of Canals
- 2000 Miles of Levees
- 625 Project Culverts
- Operated and Maintained by Field Stations, SCADA, and Water Control Operations... 475
   Staff Members

## **C&SF Flood Protection System**

- 1950's Provided Flood Control to 2 Million Citizens
- Today Provide Flood Control to 8 Million Citizens
  - Investment of Capital into Infrastructure
  - Automation/Technology
- Covering 16 Counties

## 3 Tiered System



## **C&SF Flood Protection System**



## **C&SF Flood Protection System**



### Operation Control Center (OCC)

- Canal levels are monitored through extensive network of gages
- Structures have automatic control
- Rainfall is monitored and amounts are forecasted daily
- Canal level optimum generally measured at structure upstream water level
- Primary Modes
  - Flood Control
  - Water Supply

#### Remotely Operated Structures

**Operable Culverts** 



**Spillways** 



**Pump Stations** 



Weirs



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### **Operations Control Room**



## SCADA



## Pump Stations



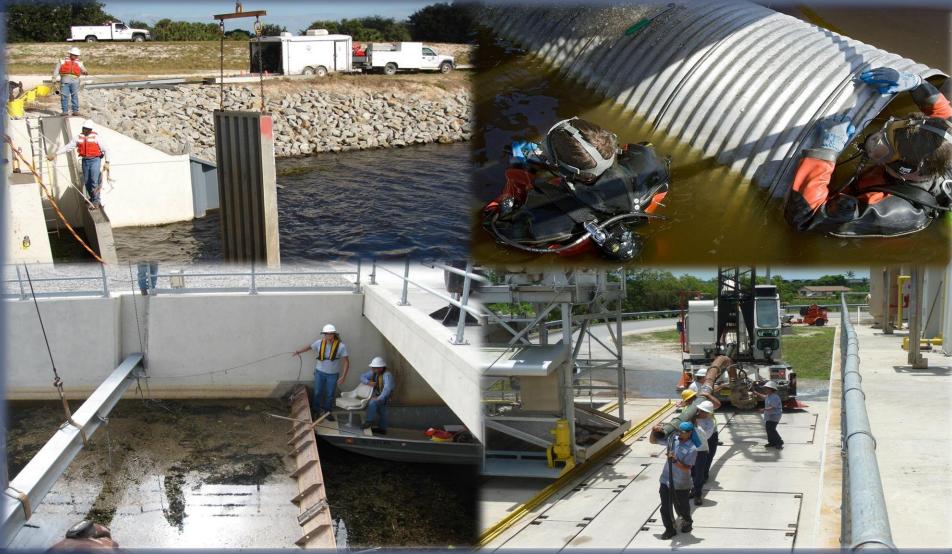
# Pump Stations



### Structure Maintenance



### Structure Maintenance



### Canal Levee



## Canal Levee



### Fleet Maintenance



### Fleet Maintenance



